

In the specification:

Please replace the paragraph beginning on page 17, line 17, with the following:

"In the first exemplary embodiment of wide band transmit command signals and/or wide band response signals according to the present invention, the wide band transmit command signals and/or wide band response signals comprise pulse signals which include pulses separated by no-energy periods. Optionally, the no-energy periods between pulses of a signal are of a same predetermined duration, such that after tuning onto a first pulse of the signal, the receiver knows the timing of the rest of the pulses of the signal. The use of pulse signals enables the low power consumption of tags 4, as described below. In addition, the use of pulse signals enables the transmission of a plurality of wide band response signals on a single channel at overlapping times without interference. Pulses can be either base-band or pass-band, as disclosed above. In an exemplary embodiment of the invention, a transmission data rate of about 100Kbit/sec is used, with a bandwidth of about 50 MHz centered at about 2440 MHz. In another embodiment of the present invention the center frequency is about 4GHz and the bandwidth 500MHz. The shape of the pulse may be simple, such as Gaussian shape for example. Alternatively, the shape of the pulse may be complicated with complex shape designed to decreased the peak to average ratio. Such complicated pulse has longer duration, e.g. 100ns but has same bandwidth of 50 MHz. As an example to a complicated pulse, is a pulse composed by a sequence of short pulses separated by short gap of few ns and modulated by a barker sequence having good autocorrelation. In an embodiment of the present invention, the pulse is a train of 11 short pulses.